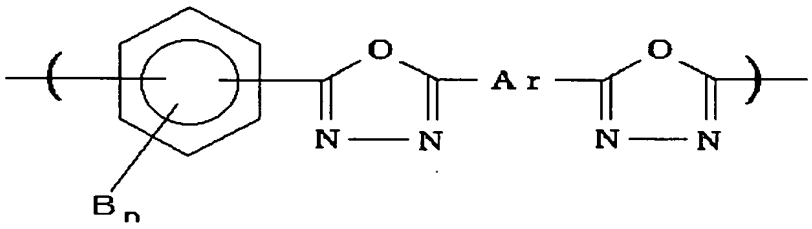
Replaced by Art. 34 Amendments

We claim:

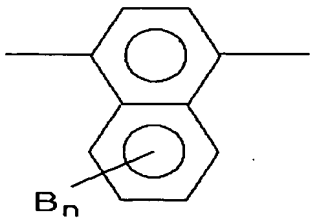
1. A luminescent polymer having a repeating unit represented by formula (1):



... (1)

wherein Ar is a group represented by one of formulas (2)-(5); B is $-Y-Ar^1$, -Y-R, or a hydrogen atom, wherein Y is a single bond or -O-, Ar^1 is a group represented by formula (6), and R is an alkyl group or an alkenyl group; and n denotes an integer from 1 to 4, wherein Bs may be the same or different from each other when n is 2, 3, or 4; at least one of the Bs in formula (1) is $-Y-Ar^1$ or -Y-R when B or Bs in formula (2), (3), (4) or (5) are a hydrogen atom or hydrogen atoms; and at least one of the Bs in the group represented by any one of formulas (2)-(5) must be $-Y-Ar^1$ or -Y-R when B or Bs bonded to the benzene ring in formula (1) are a hydrogen atom or hydrogen atoms,

wherein the group represented by formula (2) is:

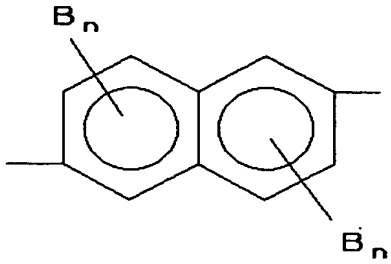


... (2)

wherein B in formula (2) is the same as that defined above; n denotes an integer of 1 to 4, and when n is 2, 3, or 4, Bs

may be the same or different from each other;

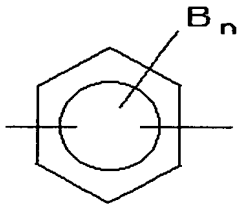
the group represented by the formula (3) is:



... (3)

wherein each of the Bs in formula (3) is the same as that defined above, n denotes an integer of 1 to 3, and Bs may be the same or different from each other;

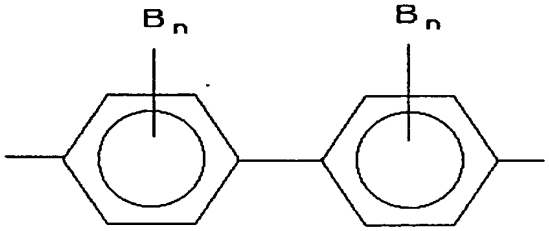
the group represented by the formula (4) is:



... (4)

wherein B in formula (4) means the same as that defined above, n denotes an integer of 1 to 4, and when n is 2, 3, or 4, Bs may be the same or different from each other;

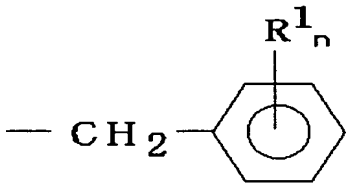
the group represented by the formula (5) is:



. . . (5)

wherein each of the Bs is the same as that defined above, n denotes an integer of 1 to 4, and Bs may be the same or different from each other; and

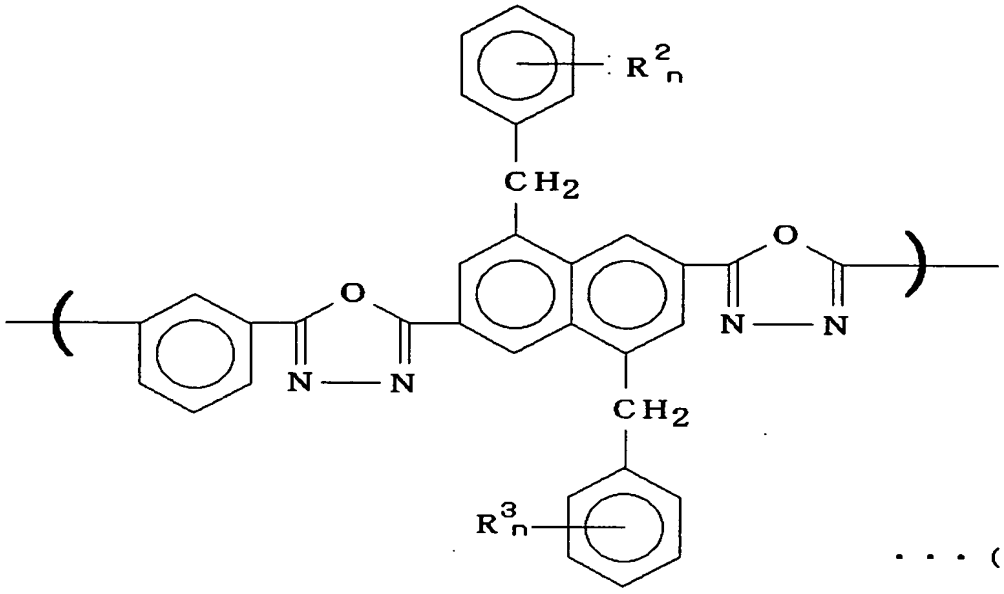
the group represented by the formula (6) is:



. . . (6)

wherein R^1 is a hydrogen atom or an alkyl group, and n denotes an integer of 1 to 5.

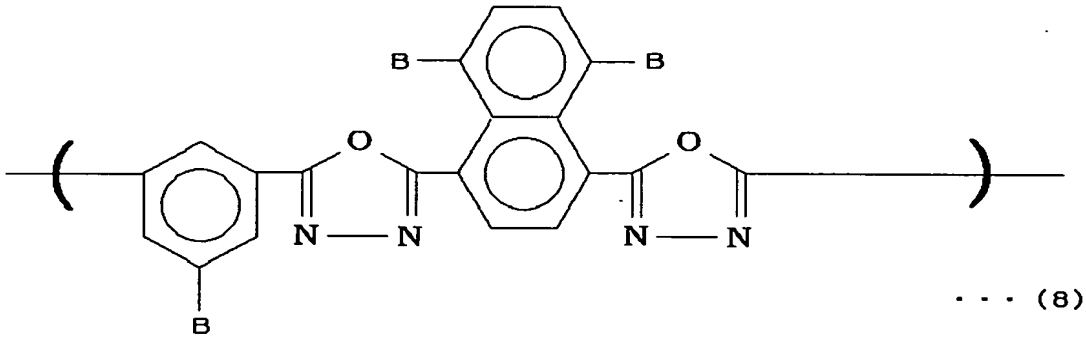
2. A luminescent polymer having a repeating unit represented by formula (7):



. . . (7)

wherein each of R^2 and R^3 is an alkyl group; n denotes an integer of 1-5; when n is 2, 3, 4 or 5, R^2s may be the same or different from each other and R^3s may be the same or different from each other; and R^2(s) and R^3(s) may be the same or different from each other.

3. A luminescent polymer having a repeating unit represented by formula (8):

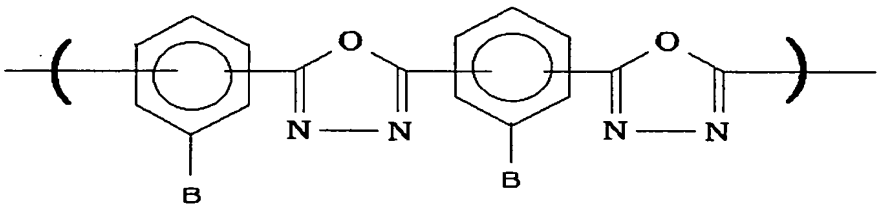


. . . (8)

wherein each of the Bs in formula (8) means the same as that

defined in claim 1; and at least one of the three Bs is $-Y-Ar^1$ or -Y-R, wherein Y, Ar^1 and R are the same as those defined in claim 1.

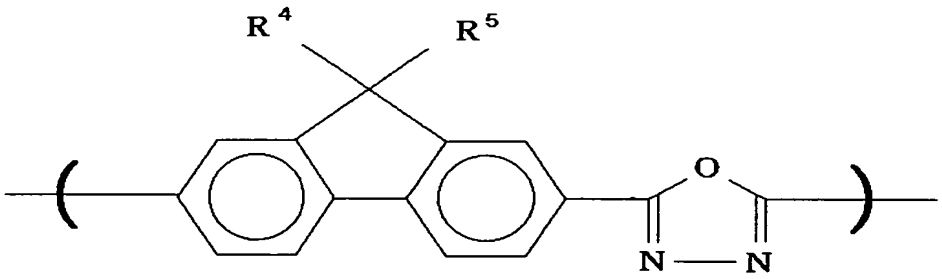
4. A luminescent polymer having a repeating unit represented by formula (9):



. . . (9)

wherein each B in formula (9) is the same as that defined in claim 1, and at least one of the two Bs is $-Y-Ar^1$ or -Y-R.

5. A luminescent polymer having a repeating unit represented by formula (10):



. . . (10)

wherein each of R^4 and R^5 is an alkyl group, and R^4 and R^5 may be the same or different from each other.

6. A luminescent element comprising a pair of electrodes and a film of the luminescent polymer according to any one of

claims 1-5 between the electrodes.